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NASA Procedural Requirements

COMPLIANCE IS MANDATORY**NPR 8590.1**Effective Date: June 14,
2007Expiration Date: June 14,
2012[Printable Format \(PDF\)](#)[Request Notification of Change](#) (NASA Only)**Subject: NASA Environmental Compliance and Restoration (ECR) Program****Responsible Office: Environmental Management Division**[| TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [Chapter4](#) | [Chapter5](#) | [Chapter6](#) | [Chapter7](#) |
[AppendixA](#) | [ALL](#) |

Chapter 1. Introduction, ECR Definitions, and Types of Projects ECR Can Fund

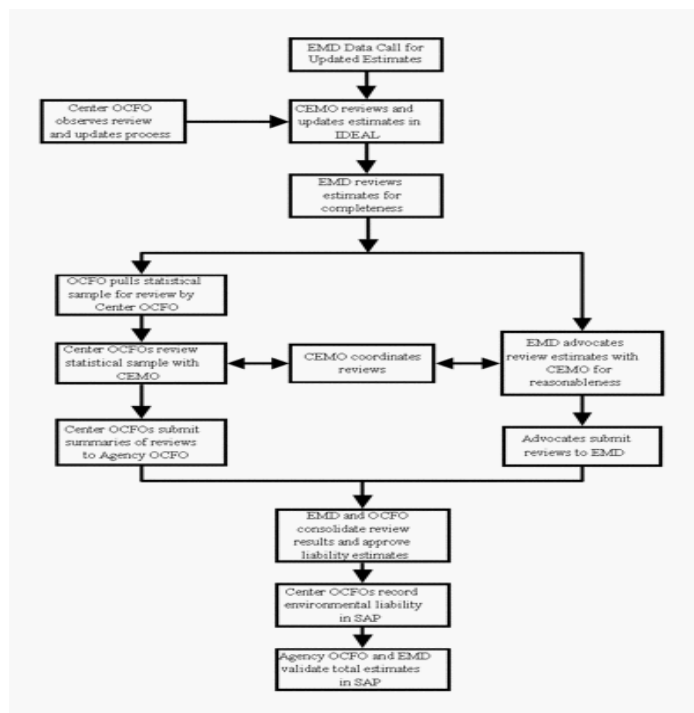
1.1 Introduction

This NASA Procedural Requirement (NPR) implements applicable requirements for the ECR program under NASA Policy Directive (NPD) 8500.1. This NPR addresses specific activities required to request, allocate, and spend funds under that program to manage ECR projects.

Chapter 1 introduces this document and outlines the types of projects that are eligible for ECR funding. Chapter 2 describes the requirements for identifying and documenting new restoration ECR projects. Chapter 3 explains the required procedures for conducting potentially responsible party (PRP) analysis at NASA restoration sites. Chapter 4 discusses the requirements for ECR restoration projects cost estimation process and the use of Integrated Data Evaluation and Analysis Library (IDEAL) cost estimating software to achieve verifiable and adequately documented cost estimates. Chapter 5 addresses the various data calls and review cycles for requesting ECR project funding and the use of the NASA Environmental Tracking System (NETS). Chapter 6 addresses the requirements for managing restoration projects. Chapter 7 covers ECR program metrics. See figure 1-1 below for a graphic representation of these chapters.

In this document, a requirement is identified by "shall," permission by "may" or "can," expectation by "will," and descriptive material by "is."

Figure 1-1 Process for Identifying and Funding Projects



1.2 Types of ECR Project

The ECR program funds several different types of environmental projects. Funding is limited to restoration projects and Environmental Management Investment (EMI) projects. EMI projects consist of capital compliance projects, leadership projects, nonroutine projects to evaluate changing environmental requirements and may include any preanalysis or studies to support those projects.

1.2.1 Restoration Projects

- a. Investigation and restoration required under Federal and/or state or local laws, or other legally enforceable agreements, at NASA-owned or -operated property generally will be ECR-funded. Investigation costs may include sampling, analysis, monitoring, modeling expenses, and PRP study costs. Restoration costs may include containment, cleanup, environmental closures (including tanks, landfills, and other environmentally regulated facilities or units), attenuation, land-use controls, oversight fees, purchase of land parcels, long-term operations and maintenance (O&M), and provision of alternate drinking or potable water supplies, if required.
- b. Investigation of alleged migration off-site of contamination from NASA property and evaluation of remedial alternatives for such migration are eligible for ECR funding.

1.2.2 Environmental Management Investment (EMI) Projects

- a. ECR funding may also be available for funding environmental investment projects that are not considered "routine" (i.e., not part of normally required activities). EMI projects can be either capital compliance or leadership projects and infrequently may include projects that will provide for environmental studies needed to evaluate changing regulatory requirements or to better define the project. Typically, these projects are the result of changing environmental regulations or requirements.
- b. Capital compliance projects that deal with infrastructure improvements (such as boiler retrofits required to meet revised Clean Air Act standards) shall follow NPR 8820.2, Facility Project Implementation Guide as a "Non-Construction of Facilities (CoF) Funded" project. The assigned Facility Project Manager shall submit any documentation required by

NPR 8820.2 to the Headquarters Environmental Management Division (EMD) and the Facilities Engineering and Real Property Division. Additionally, capital compliance projects that deal with infrastructure improvements shall follow NPR 8800.15, Real Estate Management Program Implementation Manual. Centers/Component Facilities shall submit documentation for improvements and modifications to NASA real property as required by NPR 8800.15. This documentation is required to ensure that NASA properly records the value of its real property.

- c. Leadership projects (such as Principal Center and sustainability projects) may be funded on a case-by-case basis as determined by the Headquarters EMD. Leadership projects (such as Principal Center and sustainability projects) promote zero-waste strategic thinking, reinforce sustainability or eco-effectiveness ethos, or support achieving the "Greening of the Government" goals and objectives.

1.2.3 Projects Not Eligible for ECR Funding

- a. Environmental compliance projects to address facility deferred maintenance, obsolescence, or replacement.
- b. Future closure or decommissioning of active facilities or routine, day-to-day operational environmental compliance costs (per Statement of Federal Financial Accounting Standards No. 6, Accounting for Property, Plant, and Equipment, related to environmental cleanup costs).
- c. Program-related environmental compliance costs (e.g., NEPA documentation).
- d. Environmental compliance elements of a facility-related project such as asbestos and lead-based paint removal are elements of CoF or demolition projects. ECR will address remediation of these materials if already released to the environment.
- e. Replacement of tanks at end of useful life.
- f. Building demolition and asbestos abatement.
- g. Capital compliance projects less than \$200,000.

1.2.4 Claims Against NASA for Third-Party Liabilities.

- a. Claims against NASA for third-party damages resulting from environmental contamination are coordinated, through the NASA Office of the General Counsel, with the Department of Justice.
- b. ECR funds are not generally available for payment of awards or settlements associated with such claims.

| [TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [Chapter4](#) | [Chapter5](#) | [Chapter6](#) |
[Chapter7](#) | [AppendixA](#) | [ALL](#) |

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